

DRINKING WATER & WASTEWATER PROFESSIONALS

**Bureau of Occupational Licenses
700 West State Street, P.O. Box 83720
Boise, ID 83720-0063**

Board Meeting Minutes of 2/15/2012

BOARD MEMBERS PRESENT: Victor Villegas - Chair
Larry Annen
John R. Lee
Jack V Bennion
Allen G Wilder
Dion W Holton
Barry N. Burnell

BUREAU STAFF: Tana Cory, Bureau Chief
Dawn Hall, Administrative Support Manager
Lori Peel, Investigative Unit Manager
Maurie Ellsworth, Legal Counsel
Roger Hales, Legal Counsel
Eric Nelson, Board Prosecutor
Mary Miles, Technical Records Specialist I

OTHERS PRESENT: Lynn Tominaga, Water Policy Water Group
Josh Gabel, city of Meridian
Mark Larson, Idaho State Fire Marshal
Doug Amick, City of Greenleaf
Shelley Roberts, Idaho Rural Water Association

The meeting was called to order at 8:30 AM MST by Victor Villegas.

APPROVAL OF MINUTES

A motion was made by Mr. Holton to approve the minutes of November 2, 2011.
Seconded by Mr. Wilder, motion carried.

LEGISLATIVE REPORT

Mr. Hales presented the Legislative report. The Board's proposed rules were presented to the Senate and the House and approved with the exception of Rule 375.02.c At least 50% of education is mandatory and cannot be substituted by experience which was struck from the proposed rules. Any future rule changes must go through the negotiated rule making process. The proposed rules will go in effect at

the end of the Legislative session. The Board thanked Mr. Hales for his time and effort in representing the Board.

Mr. Annen would like the minutes to reflect that he feels that having Rule 375.02.c struck from the proposed rules is a disservice to the citizens of Idaho. Several public members testified and he feels they misrepresented the Board and the intent of the proposed rules which is to ensure public safety.

TO DO LIST

Mr. Hales discussed the To Do List with the Board members regarding future law and rule change ideas. The Board discussed the issue regarding Association of Boards Certification approving continuing education courses and determined that there would not be any future law changes.

The second issue was regarding the definition of responsible charge time and how to count Responsible Charge time when on-call. The Board determined that on-call time is not up to the Board to determine, but up to the employer and supervisor signing the form.

FINANCIAL REPORT

Ms. Hall presented the financial report to members of the Board, which showed a cash balance of \$462,085.99 with revenues of \$101,687.00 and expenditures of \$106,143.45 as of 1/31/2012. The Bureau and several other agencies are working together and are in the process of purchasing a new licensing system.

MEMORANDUM

Mr. Nelson presented case WWP-2012-1 to the Board members for discussion.

A motion was made by Mr. Wilder to close case WWP-2012-1. Seconded by Mr. Bennion, motion carried.

STIPULATION AND CONSENT ORDER

Mr. Nelson presented cases WWP-2010-53 and 54 to the Board members for discussion.

A motion was made by Mr. Burnell to accept the Stipulation and Consent Order and for the Board Chair to sign. Seconded by Mr. Wilder, motion carried.

INVESTIGATIVE REPORT

Ms. Peel presented the investigative report to the Board members.

For Board Determination:

A motion was made by Mr. Annen to authorize closure of case numbers I-WWP-2011-2, I-WWP-2011-3, and I-WWP-2011-4. Seconded by Mr. Lee, motion carried.

A motion was made by Mr. Bennion to close case numbers I-WWP2012-3 and I-WWP-2012-4. Seconded by Mr. Holton, motion carried.

FINDINGS OF FACT, CONCLUSIONS OF LAW AND FINAL ORDER

A motion was made by Mr. Burnell to accept the Findings of Fact, Conclusions of Law and Final Order for case number WWP-2012-4 and for the Board Chair to sign. Seconded by Mr. Wilder, motion carried.

BACKFLOW ASSEMBLY TESTER'S ON FIRE SUPPRESSION SYSTEMS

Mr. Larson presented to the Board the Draft letter regarding BATs on Fire Suppression Systems. The Board accepted the content of the letter as presented.

A motion was made by Mr. Wilder to approve the letter and send it to all current BAT licensees and post the letter to their website along with links to the codes referred to in the letter. The Board appreciates the Fire Marshall's offer for his office to cover the mailing expenses for the letter. Seconded by Mr. Holton, motion carried.

BOARD GUIDELINES

Mr. Ellsworth reminded the Board to direct any questions regarding licensure, renewals, or CE questions to the Bureau or the Board secretary.

BREAK 10:00 – 10:15

ASSOCIATION OF BOARDS CERTIFICATION CONTRACT

A motion was made by Mr. Bennion to accept the 2012 ABC contract and for the Bureau to sign. Seconded by Mr. Holton, motion carried.

PUBLIC COMMENTS

Mr. Villegas recognized the public members in the audience.

Ms. Roberts addressed the Board. She thanked the Board for the work it put forth in the proposed rules; however, she felt that the mandatory education rule would have been too expensive for the operators or the system owners. She stated that Idaho Rural Water Association would like to continue working together as partners to protect public health.

Mr. Amick addressed the Board. Mr. Amick stated that the education expenses are not in the budgets of small cities and that he did not agree with the mandatory proposed rule.

Mr. Annen expressed his concern about those who testified being Class I and II's and the proposed rule effecting Class III & IV's.

WASHINGTON STATE BAT LICENSES FOR ENDORSEMENT

The Board revisited the motion made in the 5/13/2009 and 11/4/2009 minutes regarding Washington State BAT licenses for endorsement in Idaho. The Board agreed that WA does not meet the minimum requirements and the motion still stands.

A motion was made by Mr. Wilder to direct the Board secretary to send a letter to the applicant who raised the question that the WA BAT licenses are not recognized in Idaho for endorsement, and to inform the applicant that he/she would need to take the Idaho 32 hours course and take the exam. Seconded by Mr. Bennion, motion carried.

ABC CONFERENCE UPDATE

Mr. Lee updated the Board on the ABC Annual Conference that he attended in Florida. ABC would like to see an Idaho Board member on the ABC Board. The Board agreed it would be too expensive and require more time than what is available. ABC is working on Class III & IV exams and is working on making sure exams are defendable in court. Mr. Lee stated that a Board member should attend each year.

ABC PASS / FAIL REPORT

The Board discussed the 2011 ABC Pass / Fail report for Idaho. The discussion led into the correspondence received from ABC regarding an operator voluntary opportunity to be involved in the Passing Score Study. Mr. Burnell encouraged Board members to participate. Ms. Roberts will research the possibility of contacting section leaders to get the word out to operators.

The ABC Pass / Fail report showed that passing scores were higher for online exams verses written exams and the Class III and IV exams have a lower passing rate overall.

ONLINE EVALUATION FORM

Ms. Miles presented the Board members with a draft for an online exam evaluation form for operators to complete. The results to will be presented to the Board at its next meeting.

A motion was made by Mr. Lee to approve the evaluation form and to distribute it to online examinees for the March 2012 exam. Seconded by Mr. Burnell, motion carried.

NEW APPLICATION FORMS

Ms. Miles presented new operator applications for licensure and exam to the Board for review. The new applications will reflect the proposed rules when they go into effect.

A motion was made by Mr. Holton to accept the new applications and post to the website after the proposed rules go into effect. Seconded by Mr. Bennion, motion carried.

CORRESPONDENCE

The Board reviewed correspondence from Tressa Nichols, Department of Environmental Quality regarding Board members attending and speaking at the 2012 Water Reuse Conference.

A motion was made by Mr. Holton to approve expenditures for Mr. Annen and Mr. Bennion to attend the 2012 Water Reuse Conference and to inform operators of the new rules. Seconded by Mr. Lee, motion carried.

The Board reviewed correspondence from American Water College regarding listing the college under the Training and Study link on the Board's website. The Board would like a link to all the approved CE and a disclaimer that not all CE from American Water College has been preapproved by the Board.

The Board reviewed correspondence from Kathryn Elliot, DEQ, regarding splitting CEUs when a course, for example, has been approved for 0.8 CEUs and the operator attends only half the course. The Board determined that the operator will not be given half of the CEUs, he/she must attend the whole course to receive the approved amount of CEUs.

The Board reviewed correspondence from CEU Plan in regards to becoming the Authorized Provider of the International Association for Continuing Education and Training (IACET). The Board determined that CEU Plan would still need to submit the Education Approval Application along with all supporting documentation in order for the Board to approve courses. The Board directed the Bureau to contact CEU Plan regarding the advertising of expired courses on their website.

EXECUTIVE SESSION

A motion was made by Mr. Burnell that the Board go into executive session under Idaho Code § 67-2345(1)(d) to consider records that are exempt from disclosure under the Idaho Public Records Law. The purpose of the Executive Session was to consider license application materials. It was seconded by Mr. Bennion. The vote was: Mr. Burnell, aye; Mr. Holton, aye; Mr. Annen, aye; Mr. Lee, aye; Mr. Bennion, aye; Mr. Wilder, aye; and Mr. Villegas, nay. Motion carried.

A motion was made by Mr. Wilder to come out of executive session. Seconded by Mr. Holton. The vote was: Mr. Burnell, aye; Mr. Holton, aye; Mr. Annen, aye; Mr. Lee, aye; Mr. Bennion, aye; Mr. Wilder, aye; and Mr. Villegas, nay. Motion carried.

A motion was made by Mr. Wilder to approve the reinstatement of license number WWT4-10655 for Jeffrey Guthrie. Seconded by Mr. Annen, motion carried.

A motion was made by Mr. Lee that Dean Renniger's Bachelor's Degree in Environmental Science meets the four year education requirement and the continuing education submitted from the Mariana Islands Water Operator Association can be used toward educational requirements. However, in order to use it to meet the annual requirements, a CE application must be submitted with the supporting documentation for the Board to review. Seconded by Mr. Holton, motion carried.

A motion was made by Mr. Wilder that applicant number 901044102 must submit an application for licensure, pay the fees, submit all required documentation, and take the exam. His drinking water license has been expired over two years and cannot be reinstated according to Idaho Statute 54-2411. Seconded by Mr. Annen, motion carried. Mr. Burnell abstained.

EXECUTIVE SESSION

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A motion was made by Mr. Holton to come out of executive session. Seconded by Mr. Bennion. The vote was: Mr. Burnell, aye; Mr. Holton, aye; Mr. Annen, aye; Mr. Lee, aye; Mr. Bennion, aye; Mr. Wilder, aye; and Mr. Villegas, nay. Motion carried.

A motion was made by Mr. Holton to approve 24 applications for licensure, and 102 applications for exam; to hold four applications pending further information; and to deny nine applications. Seconded by Mr. Lee, motion carried.

A motion was made by Mr. Lee to approve 180 continuing education applications and to deny 11 applications. Seconded by Mr. Holton, motion carried.

CE COURSES

APPROVED

AWWA INLAND EMPIRE SUBSECTION

HYDRAULICS - ITS WHAT DRIVES YOUR SYSTEM

HYDRAULIC CONTROL VALVES

OPERATOR CHALLENGE

BILL THOMPSON

BACKFLOW ASSEMBLY TESTER CERTIFICATION COURSE
BACKFLOW ASSEMBLY TESTER RECERTIFICATION COURSE

CH2M HILL

MODULE 1: INTRODUCTION TO CH2M HILL OMI AND COMPLIANCE
MODULE 2: ROLES AND RESPONSIBILITIES: WORKING TOGETHER
AS A TEAM
MODULE 3: LITTLE WAYS TO GET IN BIG TROUBLE
MODULE 4: NOT ENOUGH TIME
MODULE 6: WATER COMPLIANCE
DATA HANDLING
MONITORING PLANS
WORKPLACE SECURITY
CONTACT TIME

CITY OF BOISE

CONVENTIONAL POLLUTANTS

DEQ - BOISE

IDAHO WATER REUSE
WATER REUSE
NUTRIENT REMOVAL TREATMENT AND EFFLUENT REUSE
PERMITTING THE OBVIOUS? A RECYCLED WATER SUCCESS STORY
IN HERMISTON OREGON
TREATED WATER IN IRRIGATION CANALS, DRAINS, AND LATERALS
PUBLIC ACCEPTABILITY OF RECYCLED WATER: GETTING THE
COGNITIVE SEWAGE OUT AFTER THE PHYSICAL SEWAGE IS GONE
NO SWEETNER IN YOUR STORMWATER, BUT WHAT ABOUT YOUR
RECLAIMED WATER?
THE VALUE OF REUSE: TUCSON WATERS RECLAIMED WATER
PROGRAM
CROSS CONNECTION CONTROL AND BACKFLOW PREVENTION
WHEN USING REUSE WATER
REUSE WILL CHANGE YOUR LIFE AS AN OPERATOR: MONITORING,
REPORTING AND CHALLENGES WITH REUSE
PUBLIC ENGAGEMENT AND WASTEWATER REUSE: "YOU WANT TO
PUT POOPY WATER WHERE?"
NAMPA: WASTEWATER OPTIONS, PUBLIC OUTREACH AND EDUCATION
CAMPAIGN
WATER REUSE FARM OPERATION REALITIES AND COMPARE HI TO ID
AND WATER REUSE OPERATIONAL ISSUES
CONVERTING INDUSTRIAL PROCESS WATER INTO HIGH QUALITY
DRINKING WATER FOR FOOD PROCESSING REUSE
MOVING AWAY FROM THE WELL: WASTEWATER REUSE PROJECTS AT
A POTATO FACILITY
WATER REUSE CASE STUDIES
NON-GROWING SEASON RECLAIMED WATER LAND TREATMENT
ESTIMATING GROWING SEASON HYDRAULIC LOADING RATE USING
U.S. BUREAU OF RECLAMATION AGRICULTURE METEOROLOGICAL

SYSTEM (AGRIMET) DATA
CALIFORNIA'S VARIOUS INITIATIVES AND EFFORTS TO IRRIGATE
FREEWAY LANDSCAPING WITH MUNICIPAL RECYCLED WATER
CITY OF MERIDIAN REUSE WATER AND HIGHWAY IRRIGATION
IDAHO BUREAU OF OCCUPATIONAL LICENSES: WASTEWATER BOARD
MEMBERS DISCUSSION ON OPERATOR LICENSURE
WHAT IS NECESSARY FOR A SYSTEM TO BE CLASS A VERSUS CLASS
B OR CLASS C? REVIEW OF LATEST REUSE AND WASTEWATER RULES
IDWR RULE CHANGES AND REUSE

IDAHO RURAL WATER ASSOCIATION

UNDERSTANDING ELECTRICAL HARMONICS & POWER QUALITY
SURGE SUPPRESSION & POWER FACTOR CORRECTION
VARIABLE FREQUENCY DRIVE (VFD)
VARIABLE FREQUENCY DRIVE (VFD)
VARIABLE FREQUENCY DRIVE (VFD)
SAMPLING & SAMPLING SITE PLAN
WATER WELLS - CONCEPTION TO COMPLETION
SIMPLIFY YOUR SOURCE WATER PLAN RECERTIFICATION
HOW WELL IS YOUR WELL BEHAVING?
WATER & WASTEWATER PROJECTS - IDENTIFICATION,
DEVELOPMENT & EXECUTION
FLUSHING GUIDELINES FOR DISPOSAL OF CHLORINATED WATER
THEORY AND PRACTICAL TIPS AND TECHNIQUES OF
UNDERGROUND LOCATING
HOW CLEAN IS YOUR WATER TANK - UNDERWATER ROBOTICS
WATER RIGHTS BOOT CAMP
BASIC WATER WORKS
PUMP & MOTOR MAINTENANCE
CHLORINATOR SYSTEMS & CHEMICAL HANDLING
WATER UTILITY SAFETY
WATER QUALITY & TOXICS
LAGOON LEAK TESTING
INTERPRETING SEWER VIDEOS
WATER SUPPLY ISSUES
UPGRADING AND RETROFITTING WATER & WASTEWATER
TREATMENT PLANTS
EQUIPMENT PRE-SELECTION: HOW TO GET THE EQUIPMENT I WANT
SCADA FOR WATER & WASTEWATER
VFD HARMONICS IN POWER DISTRIBUTION SYSTEMS
FIX THAT BROKEN LINE WITHOUT DIGGING IT UP

INDIAN HEALTH SERVICE AND EPA REGION 10 DRINKING WATER UNIT

FEDERAL, STATE, AND TRIBAL GOVERNMENT TO GOVERNMENT
RELATIONS
MODULE 1: INTRODUCTION TO EFFECTIVE UTILITY MANAGEMENT
MODULE 2: THE TEN ATTRIBUTES OF EFFECTIVE UTILITY
MANAGEMENT

MODULE 3: IDENTIFYING AND OVERCOMING OBSTACLES TO UTILITY
CAPACITY DEVELOPMENT
EPA REGION 10 DRINKING WATER MONITORING WAIVER PROGRAM
EPA REGION 10 DRINKING WATER MONITORING WAIVER PROGRAM
WORKSHOP
2012 SAFE DRINKING WATER ACT RULES UPDATE & REVIEW
PRE/POST TEST

KENNEDY VALVE
HYDRANT MAINTENANCE

PHARMER ENGINEERING
ANAEROBIC DIGESTER OPERATION AND TROUBLESHOOTING

PNWS - AWWA
2012 PNWS-AWWA ANNUAL CONFERENCE:
ENTER THE PRESSURE ZONE, ORGANIZATION OF YOUR
DISTRIBUTION SYSTEM
BEST PRACTICES FOR STRATEGIC WATER OPERATIONS AND PLANNING
CATASTOPIC HAZARD EVENTS ASSESSMENT, PLANNING AND
MITIGATION
ADVANCED CONTROL VALVE MAINTENANCE AND OPERATION
THE "NEW" EPA REGULATORY STRATEGY - AN UPDATE TWO YEARS
LATER
CONSIDERATIONS FOR GROUP REGULATION OF CARCINOGENIC
VOCS
GROUND WATER RULE COMPLIANCE OPTIONS - PROS AND CONS TO
CONSIDER
GROUNDWATER COMPLIANCE - A CASE STUDY
OVERVIEW OF THE REVISED TOTAL COLIFORM RULE - POTENTIAL
IMPACTS TO UTILITIES AND WA STATE
COMPLIANCE STRATEGIES USED BY SMALL SYSTEMS IN IDAHO
ALBANY'S 8.0 MG BROADWAY RESERVOIR SYSTEM OPERATIONS
ANALYSIS, HYDRAULIC MODELING AND MIXING IMPROVEMENTS TO
IMPROVE WATER QUALITY
ASR IMPACTS ON DISTRIBUTION AND TREATMENT OPERATIONS
DBP CONTROL AND PROCESS OPTIMIZATION
ADDRESSING REGULATED AND EMERGING DISINFECTION BY-
PRODUCT CHALLENGES IN DRINKING WATER THROUGH THE USE OF
GRANULAR ACTIVATED CARBON
LIMITING POLYMER DOSE
OPTIMIZATION BEYOND SCADA
BEHIND THE FENCE REPLACING OLD WATER MAIN IN CONFINED
SPACES OF A PRISON
FLANGE COLTING, GASKETS, PETROLATUM WAX SEMINAR
TULALIP WATER PIPELINE PROJECT: TRENCHLESS DESIGN AND
CONSTRUCTION ON A MAJOR WATER TRANSMISSION PIPELINE
PROJECT
FUNDAMENTALS OF WELL DESIGN, CONSTRUCTION, AND TESTING

TECHNOLOGIES, TOOLS AND TRICKS FOR TACKLING A WELL
REHABILITATION PROGRAM
LINESHAFTS VS SUBMERSIBLES FEATURES, BENEFITS &
APPLICATIONS
GROUNDWATER TREATMENT TECHNOLOGIES
GROUNDWATER CONTAMINANT ISSUES - UPDATES ON POTENTIALLY
REGULATED CHEMICALS
WASHINGTON WATER RIGHTS "TRICKS AND TOOLS"
SMALL SYSTEMS FORUM DISCUSSION
HOW TO SELL RATES AND AVOID LONG-TERM REVENUE SHORTFALLS
ASSET MANAGEMENT LESSONS LEARNED, BEGINNING WITH THE END
IN MIND
EMERGING METERING TECHNOLOGY
INTEGRATING CONSERVATION INTO WATER SUPPLY PLANNING
DESIGNING AN EFFECTIVE COMMERCIAL IRRIGATION PROGRAM
SETTING THE WATER USE INTENSITY BASELINE FOR THE SEATTLE
2030 DISTRICT
IMPLEMENTING THE WATER USE EFFICIENCY REGULATIONS IN WA: A
5 YEAR UPDATE
EXPLORING A NEW AERATION TECHNOLOGY - IS IT RIGHT FOR YOUR
SYSTEM?
WHAT CAN MEMBRANE CONTACTOR TREATMENT TECHNOLOGY DO
FOR YOU: TWO PILOT SYSTEM CASE STUDIES
WATER PLANT RESIDUALS - THE DARK SIDE OF WATER TREATMENT
INNOVATIONS IN BIOLOGICAL TREATMENT: THREE CASE STUDIES
IMPLEMENTING GAC SURFACE WATER TREATMENT FOR ORGANICS
AND DBP CONTROL
SECONDARY MEMBRANES FOR BACKWASH RECOVERY:
ESTABLISHING DESIGN CRITERIA, DEMONSTRATING PERFORMANCE
EXPECTATIONS, AND IMPLEMENTATION
SPU WATER QUALITY SECURITY MONITORING
CONTINUOUS WATER QUALITY MONITORING FOR THE DISTRIBUTION
SYSTEM COMES OF AGE
DBP FORMATION AND RESERVOIR MIXING, A CASE STUDY IN GRANTS
PASS, OR
DEAD END NITRIFICATION MYSTERY
SELECTING DISTRIBUTION SYSTEM BEST MANAGEMENT PRACTICES
SOLUTIONS FOR WATER QUALITY ISSUES IN YOUR WATER STORAGE
TANK
SECURING REMOTE STATIONS
ISCA DA - MAKE SCADA FIT YOUR OPERATION NEEDS
COATING AND CORROSION CONSIDERATIONS FOR SMALL SYSTEMS
LESSONS LEARNED ON THE CITY OF BELLEVUE'S RESERVOIR
RECOATING PROJECTS
BIG POTENTIAL FOR SMALL HYDRO IN EXISTING INFRASTRUCTURE
2012 PNWS-AWWA ANNUAL CONFERENCE: ASSET MANAGEMENT IN
THE FAST LANE FOR WATER DISTRIBUTION SYSTEMS: CITY OF
HOUSTON
PGES DISPATCHABLE GENERATION PROGRAM

COMMISSIONING AND MAINTAINING DIESEL GENERATORS
BACKUP GENERATOR SELECTION
UTILITY PERSPECTIVES WHEN DESIGNING BACKUP POWER
FACILITIES
DESIGN ALTERNATIVES TO BACKUP GENERATION SUPPORT SYSTEMS
ACCOMODATING FEDERAL EPAS AIR QUALITY MANDATES FOR
ELECTRICAL POWER GENERATION APPLICATIONS
PILOT TESTING FOR THE GREEN RIVER FILTRATION FACILITY
DEALING WITH MURPHYS LAW AT WATER TREATMENT PLANTS
IMPROVED WATER FOR NEWPORT OREGON - A SMALL TOWN AND
THE CHALLENGES OF A HUGE PROJECT
PILOTING TO EXPAND SURFACE WATER TREATMENT BEYOND MERE
REGULATORY COMPLIANCE
2012 PNWS-AWWA ANNUAL CONFERENCE: IMPROVING FILTRATION
PERFORMANCE WITHOUT MEMBRANES - IDEAS THAT HAVE WORKED
TRACER STUDIES AND BAFFLING EFFICIENCY - THEORY AND REAL
WORLD CHALLENGES
OVERVIEW OF THE OREGON OSHA AND THE PORTLAND WATER
BUREAUS AGREEMENT FOR THE SAFEHANDLING OF ASBESTOS-
CEMENT PIPE PROCEDURES
FIXED BASE AMI: "THE GRESHAM STORY"
STAFF TRAINING: SMALL BUDGETS WITH BIG IMPACTS
INTERGRATED WATER MANAGEMENT: ENHANCING WATER
AVAILABILITY AND AQUATIC RESOURCES IN THE YAKIMA BASIN
KEEPING WATER CLOSE TO HOME: EFFECTIVE WATER RESOURCE
MANAGEMENT IN THE QUINCY BASIN
COUNTERING THE THREAT OF CURTAILMENT OF A JUNIOR MUNICIPAL
WATER RIGHT
WATER BANKING - DROUGHT MANAGEMENT AND MITIGATION FOR
MUNICIPAL WATER USERS
CROSS CONNECTION CONTROL PROGRAMS FOR SMALL SYSTEMS
CONFINED SPACE AWARENESS
CONCEPTUAL DESIGN FOR EVERETT DAF: THE REASON FOR PILOT
TESTING
PILOT TESTING DAF AT CITY OF BELLINGHAM
EMERGING INDUSTRY CHANGES IN MEDIUM PRESSURE UV
DISINFECTION VALIDATION & DESIGN
MANGANESE REMOVAL PILOT TESTING IS SOUTH WESTERN WA
SUNLIGHT DRIVEN SYNTHESIS AND ACTIVATION OF FREE CHLORINE
IN DRINKING WATER DISINFECTION
FOCUSING RESEARCH: WATER RESEARCH FOUNDATIONS NEW
PARADIGM
ALTERNATIVE PROJECT DELIVERY: THE LAW AND THE FUTURE IN THE
PACIFIC NORTHWEST
IMPLEMENTATION OF THE GREEN RIVER FILTRATION FACILITY USING
GC / CM
ALTERNATIVE PROJECT DELIVERY CASE STUDY: USING A DESIGN
BUILD PROCESS TO DELIVER A MEMBRANE POTABLE WATER
TREATMENT PLANT FOR THE CITY OF COTTAGE GROVE, OREGON

DESIGN BUILD WATER PROJECTS FOR THE US NAVY
FIELD INNOVATIONS
TOP OPS

SEIOS

MAXIMIZING SEWER SYSTEM EFFICIENCY - I & I

SPOKANE REGIONAL CCC CHAPTER

PNWS - CCC 7TH EDITION
PASCO CCC PROGRAM & BAT TESTING ORDINANCE
RESIDENTIAL FIRE SYSTEMS
10 EDITION BPA TEST PROCEDURES
WA DOH ANNUAL CCC UPDATE
IDAHO DEQ ANNUAL CCC UPDATE
REVIEW ISC 10TH EDITION TEST PROCEDURES
GRAY WATER REUSE: A GOOD THING?
HYDRAULICS AND THE PROBLEMS IT CAN CAUSE
BACKFLOW PREVENTION FOR CCS, BAT & PLUMBERS
INSTALLATION REQUIREMENTS FOR ALL PNW APPROVED BACKFLOW
ASSEMBLIES

TARGETSAFETY, INC

WATER INDUSTRY GROUND WATER TREATMENT

TECHNICAL LEARNING COLLEGE

CHLORINE DISINFECTION
WATER AND WASTEWATER SAMPLING
GROUNDWATER PRODUCTION
DISTRIBUTION BASICS SECOND EDITION
WASTEWATER COLLECTION
WASTEWATER TREATMENT

UNITED RENTALS TRENCH SAFETY

(CPT) EXCAVATION SAFETY FOR COMPETENT PERSON TRAINING
(CST) CONFINED SPACE TRAINING

WESTERBERG & ASSOCIATES CORP

STEAM & TRAP FUNDAMENTALS
PUMP FUNDAMENTALS
PUMP REBUILD COURSE
RELIABILITY SEMINAR

DENIED

IAPMO

BACKFLOW PREVENTION TESTER TRAINING AND CERTIFICATION

PNWS - AWWA

POWERPOINT AND BEYOND: INTEGRATING NEW TOOLS TO

DEVELOP A PRESENTATION WITH "WOW"
 HOW TO MAKE MANAGEMENT POSITIONS MORE ATTRACTIVE TO
 YOUNGER GENERATIONS
 WRITING SOPs FOR SAFETY AND OTHER TASKS - PART 1: METHOD
 AND PROCESSES
 WRITING SOPs FOR SAFETY AND OTHER TASKS - PART 2: METHOD
 AND PROCESSES
 THE ROLE OF MARKET-BASED APPROCHES IN INTEGRATED WATER
 MANAGEMENT STRATEGIES
 USING BODY LANGUAGE FOR EFFECTIVE LEADERSHIP
 SECURING RATES TO FUND A MAJOR PROJECT IN HARD ECONOMIC
 TIMES: EXPERIENCE OF TIGARD, OR
 REWARDS AND CHALLENGES OF INCORPORATING PUBLIC FEEDBACK
 IN FACILITY DESIGN
 CHANGING UTILITY CULTURE THROUGH PROJECT MANAGEMENT
 INNOVATIONS
 PANEL DISCUSSION

APPLICATIONS

Approved for Licensure

BAITY BERRY SCOTT	WWC1-18477
CHATTERTON KELLEN SCOTT	WWC1-18485
DECROO DOUGLAS ALLEN	DWT1-18503
DILLARD GEORGE A	DWT1-18434
ERICKSON JAMES DAVID	WWT1-18533
GIBSON PHILIP MICHAEL	WWT1-18507
GORDON JAMES WILLIAM	DWD1-18420
HASSELSTROM SCOTT J	DWD1-18531
HAZEN RANDY	WWC2-18390
JARBOE JONATHAN G	WWC1-18386
JARBOE JONATHAN G	WWT1-18387
JESSEN DUANE TIM	WWC1-18381
KEY JAMES RICHARD	WWC2-18537
MACKIE GERALD BRUCE	WWT1-18534
MCDUGALL JOHN L	DWD1-18522
NADEAU MIKE N	WWT1-18428
REGEHR BRYON D	DWD1-18389
RIBLETT NATHAN	DWD2-18495
RIBLETT NATHAN	DWT2-18496
SMEDSHAMMER DRU JANA	WWT1-18449
SURRATT RUSSELL	DWD2-18444
SURRATT RUSSELL	DWT3-18443
SURRATT RUSSELL	WWC2-18446
SURRATT RUSSELL	WWT3-18445

Approved for Exam

AHRENS BRIAN SCOTT	DWD2
ASKEW JAMES MICHAEL	WWC1
BALLS ORA J	DWD2

BELL DENNIS R	DWD1
BENNETT DON	DWD1
BEQUEATH CODY WAYNE	DWD2
BERNAL MICHAEL	WWT1
BETANCOURT CARLOS F	WWL2
BONNER EMMETT LEE	DWD2
BORLEY JON ALAN	WWT1
BOWMAN DANIEL JOHN	DWD1
BREMER CONNY I	DWDVSWWS
BURTON JACQUELINE BERNICE	DWT2
BURTON SHAWN THOMAS	WWC1
CARHART STACY DAVID	DWDVSWWS
CHILDS PAUL	WWC1
COCKRELL CHARLES RAYMOND	DWD2
COOPER DENNIS MAX	WWL1
CORNELL JEFFREY ANDREW	DWD2
CROSLAND JAMES ALLEN	WWTLA
DAWSON NANCY K	DWD2
DELANEY JOHNNY LYNN	WWC2
DILLARD GEORGE A	WWT1
DOUGLAS JESSICA	WWT1
DROWN CHARLES MATTHEW	DWDOIT
EASTMAN LUKE A	WWT2
EKSTROM KENNETH A	WWT2
ERSKINE DAN J	WWT2
FLEMING TRAVIS	WWT2
FULLMER BLAINE HOWARD	DWD1
GLEED MATTHEW	DWD2
GRIFFEL BRETT L	WWTLA
GRIFFITH CARL JOSEPH	DWT1
GRIFFITH CARL JOSEPH	WWT1
HAINES DIANE E	DWD1
HANCE CORINNE MARIE	DWD2
HANSEN ERIC	WWC2
HAUSER DAVID WILLIAM	WWL1
HEBERT KIRT ANTHONY	DWD3
HOWARD JOSHUA LEE	WWT1
HOWE DUSTIN MICHAEL	WWC2
JENKINS WILLIAM M	DWDVSWWS
JOHNSON CHRISTIAN PAUL	WWC3
JOHNSON CHRISTIAN PAUL	WWT1
JONES MURRAY LEONARD	WWC1
KENNEDY TOBBY RAYMOND	WWT1
KERLEY MARK ROLAND	WWT3
KNIGHT CAREY LEE	WWT1
LANGFORD JASON A	WWT1
LIBERT MARK E	DWD4
LOUGH JAMI A	WWL4
MANSFIELD LARRY S	WWT4

MARQUARDT GARY D	DWDVSWS
MCGOLDRICK JERRY LEON	DWT1
MEUSCH JOEL MICHAEL	WWCOIT
MILLER JAMES W	DWD2
MILLER MARTIN L	DWT1
MOHARIP AHMED	WWT1
MUNNS TRAVIS J	DWD2
OCONNOR RONALD NATHANIEL	WWL2
ORNELAS GUSTAVO DAVID	DWD2
PENA JUAN BALDERAZ	WWC3
PETERSON ADAM JUDD	WWTLA
POWER DAVID R	DWT1
RAWSON LOU	DWDVSWS
REEDY CHRIS W	WWC4
RICE MARTIN JOHN	DWD1
RICHEY PAUL J	WWT2
ROGERS SUNSHINE	DWD1
ROMINE DARRELL	DWD2
ROOT WILLIAM DAVID	DWD1
ROSSEL ROBERT WILLIAM	WWC1
RUARK JON R	DWD4
SCHUT PAUL HERMAN	DWDVSWS
SCHWENDIMAN KURT S	DWD4
SESSIONS TOM V	DWD1
SHEETS JEFFREY S.	WWT1
SHEETS JEFFREY S.	DWD1
SHEPARD PAUL E	DWD3
SIEVERS GARY MARDEN	DWDVSWS
SPAULDING CLAUDIA LEIGH	WWT3
STANDLEY BRAD B	DWD2
STANDLEY BRAD B	WWC1
STOKES STEPHEN P	DWT3
TATE ADAM	WWT2
THORNTON JAMES D	WWT2
THOROUGHMAN TRAVIS PERRY	DWD1
TUBBS RODNEY O	DWD2
TURNER SHAWN CARL	DWD1
VAN KIRK ROBERT CRAIG	WWT2
VELIE ANTHONY MICHAEL	DWD1
VELMAN CHARLES A	DWD4
VERBECK MICKEY DARRELL	DWD2
VINEYARD WILLIAM	DWDOIT
WALLS CRAIG ALLEN	DWD1
WARE TREVOR	DWDVSWS
WEBSTER CLAY ALAN	WWT1
WEEKS SCOTT	DWD2
WHITE BRAD J	DWT1
WILLIAMS ANDREW R	WWT3
WORLEY CHAD BYRON	WWT2

YOUNG LAMONT JAY

DWD1

Denied

BUCKLIN DAVID ERIC
GREEN CRYSTAL ROCHELLE
JOHANEK DAVID C
JOHNSON KENNETH WARD
PAGE CHARLES RUSSELL
PETERSEN JOHN R
SILLERS MARGARET ANN
STONE ZED A
WILMOT RYAN DOUGLAS

Pending

901113406
901118752
901077952
901109600

NEXT MEETING May 16, 2012

ADJOURNMENT

A motion was made by Mr. Annen to adjourn at 3:20 PM. Seconded by Mr. Bennion, motion carried.

Victor Villegas, Chair

Larry Annen

John R. Lee

Jack V Bennion

Allen G Wilder

Dion W Holton

Barry N. Burnell

Tana Cory, Bureau Chief